Masters of Science in Biomedical Imaging

Department of Radiology and Biomedical Imaging
University of California – San Francisco

ADMITTING FOR FALL 2016

Core Courses
- Principles of MR Imaging
- Physical Principles of CT, PET & SPECT Imaging
- Principles of Diagnostic and Therapeutic Ultrasound
- Imaging Study Design
- Imaging Laboratory
- Image Processing and Analysis I & II

Elective Courses
- MR Pulse Sequences
- Cancer Imaging
- Advanced Neurological Imaging
- Vascular Imaging
- Musculoskeletal Imaging
- Abdominal Imaging
- Supervised Research

The MSBI program is aimed at students with Bachelors degrees, advanced pre-doctoral students, postdoctoral fellows, residents, researchers and faculty who wish to master biomedical imaging and research methods to enhance their research designs and broaden their investigative projects. The program can be completed in one year of full-time study or in two years on a part-time schedule.

Course work includes instruction in core theory, drawn from imaging physics, engineering and mathematics and linked to physiology and disease processes, providing a foundation in interdisciplinary scholarship. In addition to introducing the fundamentals underlying image formation, hands-on laboratory courses with experiments relevant for characterizing pathologies, monitoring response to therapy and assessing the underlying mechanisms and etiologies, will be offered. Electives allow students to customize the program to their interests, including the option to perform independent research studies.

The title of this program does not even begin to describe the diversity of knowledge presented to the students in a short year by professors who both care on a personal level and are at the top of their respective fields.

– Lindsay Conner (MSBI Alumni)

This program provided me with a unique opportunity to expand and consolidate my knowledge in different aspects of biomedical engineering and helped me to hone my skills via excellent coursework.

– Naeim Bahrami (MSBI Alumni)

For more information, please see...
http://www.radiology.ucsf.edu/education/graduate-programs/mbi-program

Or, contact MSBI Program Administrator
Email: MSBI@UCSF.EDU
Tel.: (415) 514-8246

Application Timeline

November 16, 2015
Application portal opens for applicants enrolling for Fall 2016.

February 29, 2016
Deadline for Fall 2016 applications

Late-March/Early-April, 2016
Notifications sent to all applicants.

September 22, 2016
First Day of Instruction